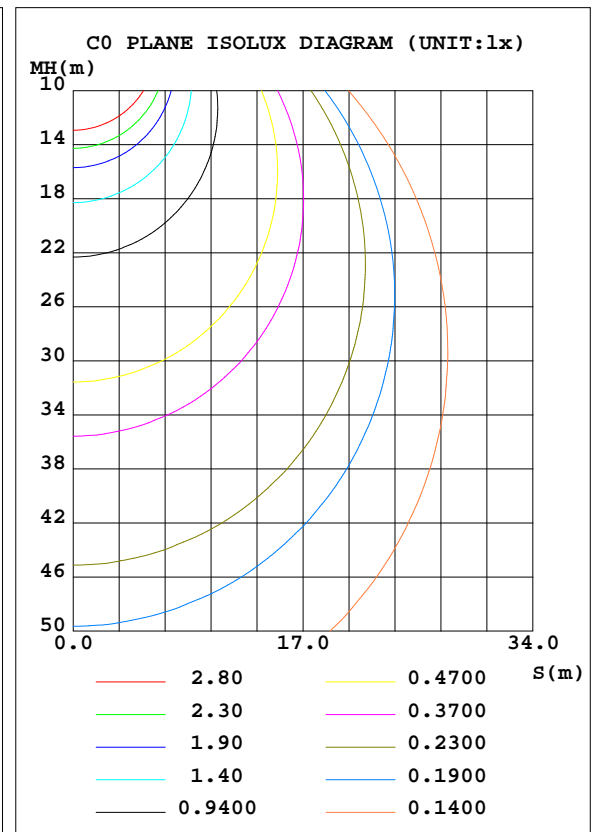
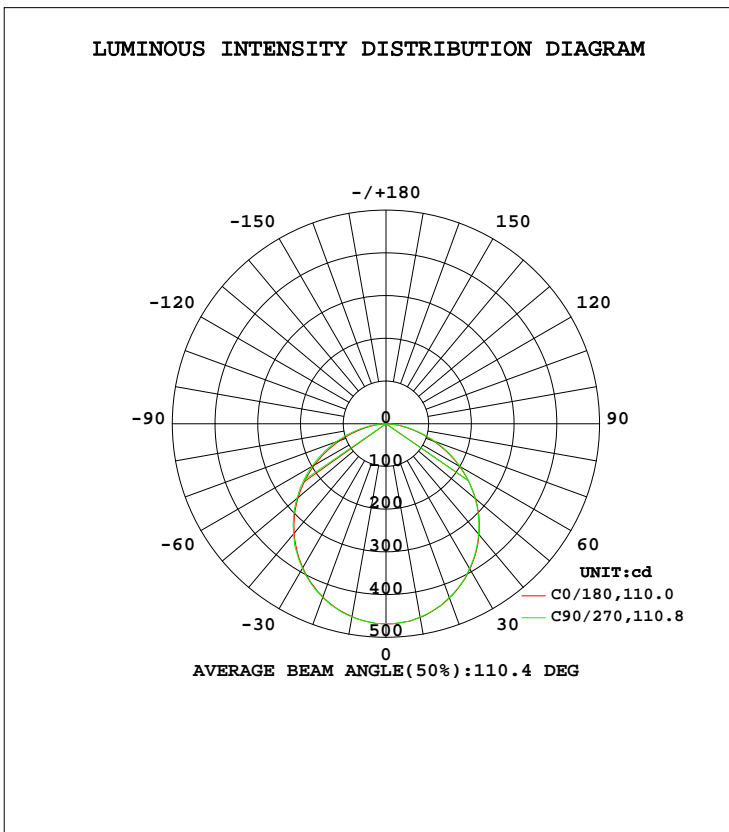


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.42 lm/W			
MODEL	PSZ2S230215007-10	I _{max} (cd)	469.0	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1302.4	η UP, DN(C0-180)	0.1,50.0
NOMINAL FLUX(lm)	1302.45	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.9
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	457.9	458.7	458.9	459.4	460.3	459.7	459.4	458.9	0- 10	44.28	44.28	3.4,3.4
20	431.5	431.8	432.6	433.2	433.5	433.7	432.8	431.8	10- 20	126.4	170.7	13.1,13.1
30	389.5	389.8	391.3	392.0	392.5	392.1	390.8	389.5	20- 30	190.7	361.4	27.7,27.7
40	334.8	335.3	337.0	338.0	338.2	337.7	336.4	334.7	30- 40	228.5	589.9	45.3,45.3
50	268.6	270.8	272.8	273.7	272.8	273.2	272.0	270.3	40- 50	235.6	825.4	63.4,63.4
60	193.5	197.3	200.8	200.9	197.8	200.7	199.8	197.0	50- 60	210.9	1036	79.6,79.6
70	114.6	119.0	124.7	122.0	117.9	120.7	122.6	117.6	60- 70	157.8	1194	91.7,91.7
80	41.81	45.52	52.04	48.05	44.29	46.18	49.57	44.48	70- 80	86.71	1281	98.3,98.3
90	0.0789	0.0809	0.0973	0.1001	0.0848	0.0225	0.0240	0.0234	80- 90	20.35	1301	99.9,99.9
100	0.1112	0.1224	0.1156	0.1313	0.0439	0.0552	0.0512	0.0668	90-100	0.0728	1301	99.9,99.9
110	0.1334	0.1405	0.1399	0.1420	0.0728	0.0799	0.0804	0.0827	100-110	0.1027	1301	99.9,99.9
120	0.1744	0.1773	0.1843	0.1801	0.1137	0.1134	0.1170	0.1160	110-120	0.1248	1301	99.9,99.9
130	0.2516	0.2573	0.2669	0.2625	0.1684	0.1649	0.1631	0.1647	120-130	0.1594	1302	99.9,99.9
140	0.3914	0.4165	0.4237	0.4118	0.2185	0.2251	0.2206	0.2200	130-140	0.1992	1302	99.9,99.9
150	0.5582	0.6036	0.6205	0.5923	0.2574	0.2651	0.2782	0.2690	140-150	0.2358	1302	100,100
160	0.7104	0.7239	0.7258	0.7255	0.3513	0.3549	0.3364	0.3254	150-160	0.2243	1302	100,100
170	0.6751	0.6661	0.6729	0.6780	0.4320	0.4107	0.4030	0.4112	160-170	0.1540	1302	100,100
180	0.5589	0.5282	0.5184	0.5649	0.5610	0.5451	0.5090	0.5257	170-180	0.0518	1302	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 708.75 lm

%lum = 54.4%
%lamp = 54.4%

Conical surface Flux(120deg): 1036.3 lm

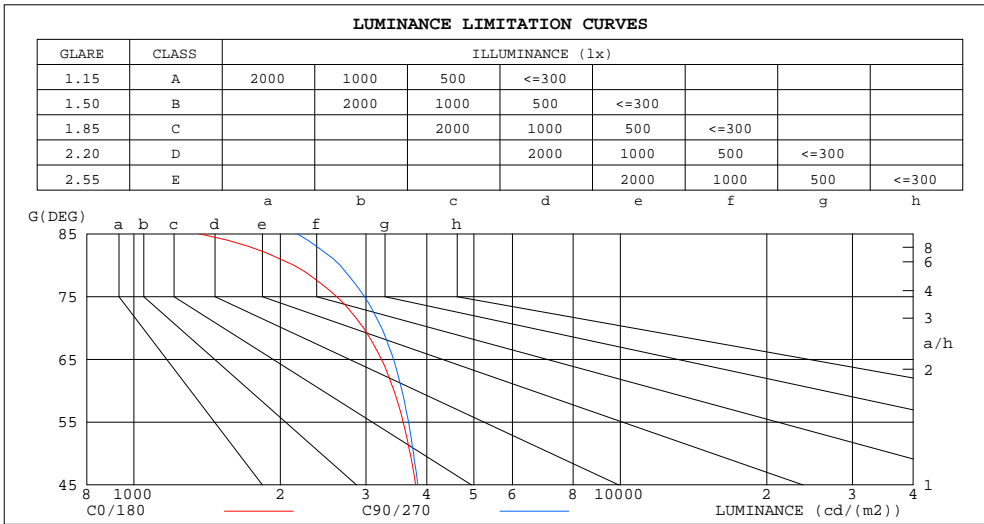
%lum = 79.6%
%lamp = 79.6%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.6DEG
Operators:Evan
Test Date:2023-02-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:51%
Test Distance:2.532m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1363	2165
80	2132	2654
75	2611	2978
70	2967	3230
65	3225	3418
60	3426	3557
55	3576	3671
50	3699	3759
45	3795	3833

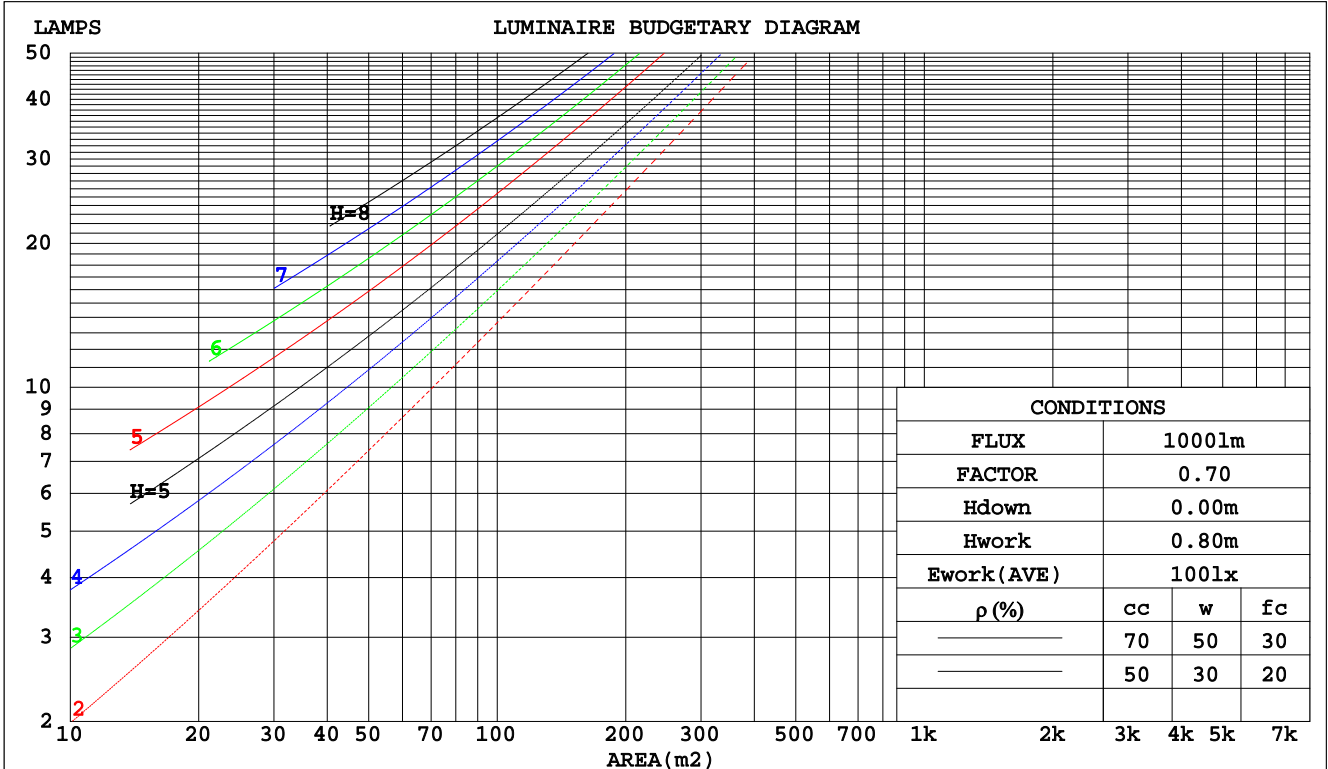
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.95	.98	.94	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.53	.50
5.0	.63	.54	.48	.62	.54	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.44
6.0	.57	.48	.41	.56	.47	.41	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.43	.36	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.31	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.304	.173	.055	.297	.169	.054	.284	.163	.052	.271	.157	.050	.260	.151	.049	
2.0	.288	.158	.048	.282	.155	.048	.270	.150	.047	.259	.145	.045	.249	.141	.044	
3.0	.267	.142	.043	.262	.140	.042	.251	.136	.041	.242	.132	.041	.233	.129	.040	
4.0	.247	.128	.038	.242	.127	.037	.233	.124	.037	.224	.121	.036	.216	.118	.036	
5.0	.229	.117	.034	.224	.115	.034	.216	.113	.033	.209	.110	.033	.201	.108	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.194	.097	.028	.188	.095	.027	.182	.093	.027	.176	.091	.027	
8.0	.185	.090	.025	.182	.089	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.147	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.136	.155	.135	.117	.106	.093	.081	.061	.054	.047	.019	.017	.015	
2.0	.172	.133	.099	.148	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.141	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.102	.059	.135	.088	.052	.093	.061	.036	.054	.036	.022	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.030	.051	.032	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.101	.053	.020	.070	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm										
NAME: LED luminaire					TYPE:N/A			WEIGHT:N/A		
SPEC.:ASD-MPS-9D18CC-BK 3000K					DIM.: N/A			SERIAL No.:N/A		
MFR.: ASD LIGHTING CORP					SUR.:N/A			Shielding Angle:N/A		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.2	18.8	17.5	19.0	19.2	17.4	18.9	17.7	19.1	19.3
3H	18.6	20.0	18.9	20.3	20.5	18.9	20.3	19.2	20.5	20.8
4H	19.1	20.5	19.5	20.7	21.0	19.5	20.8	19.8	21.1	21.3
6H	19.4	20.7	19.8	21.0	21.3	19.9	21.1	20.2	21.4	21.7
8H	19.5	20.7	19.9	21.0	21.3	20.0	21.2	20.4	21.5	21.8
12H	19.5	20.7	19.9	21.0	21.3	20.1	21.2	20.4	21.5	21.8
4H 2H	17.8	19.2	18.2	19.4	19.7	18.0	19.3	18.3	19.5	19.8
3H	19.4	20.6	19.8	20.9	21.2	19.6	20.8	20.0	21.1	21.4
4H	20.0	21.1	20.4	21.4	21.7	20.4	21.4	20.7	21.7	22.1
6H	20.4	21.4	20.8	21.7	22.1	20.9	21.8	21.3	22.2	22.6
8H	20.6	21.4	21.0	21.8	22.2	21.1	21.9	21.5	22.3	22.7
12H	20.6	21.4	21.0	21.8	22.2	21.2	22.0	21.6	22.4	22.8
8H 4H	20.3	21.2	20.7	21.5	21.9	20.6	21.4	21.0	21.8	22.2
6H	20.8	21.5	21.3	22.0	22.4	21.2	22.0	21.7	22.4	22.8
8H	21.0	21.6	21.5	22.1	22.5	21.5	22.1	21.9	22.6	23.0
12H	21.1	21.6	21.6	22.1	22.6	21.7	22.2	22.1	22.7	23.1
12H 4H	20.3	21.1	20.7	21.5	21.9	20.6	21.4	21.0	21.8	22.2
6H	20.9	21.5	21.3	21.9	22.4	21.3	21.9	21.7	22.3	22.8
8H	21.1	21.6	21.5	22.1	22.5	21.5	22.1	22.0	22.6	23.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1302 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.9)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

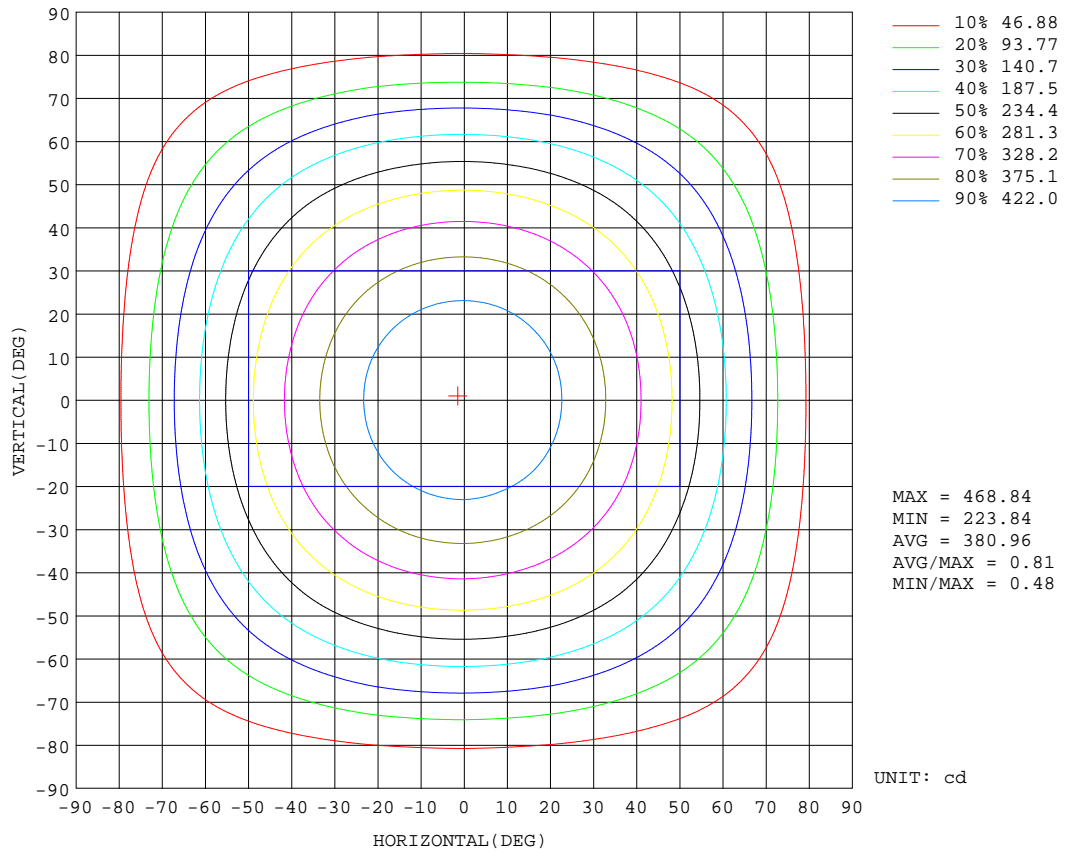
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	55	49	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	66	79	71	65	58
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	87	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	99	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

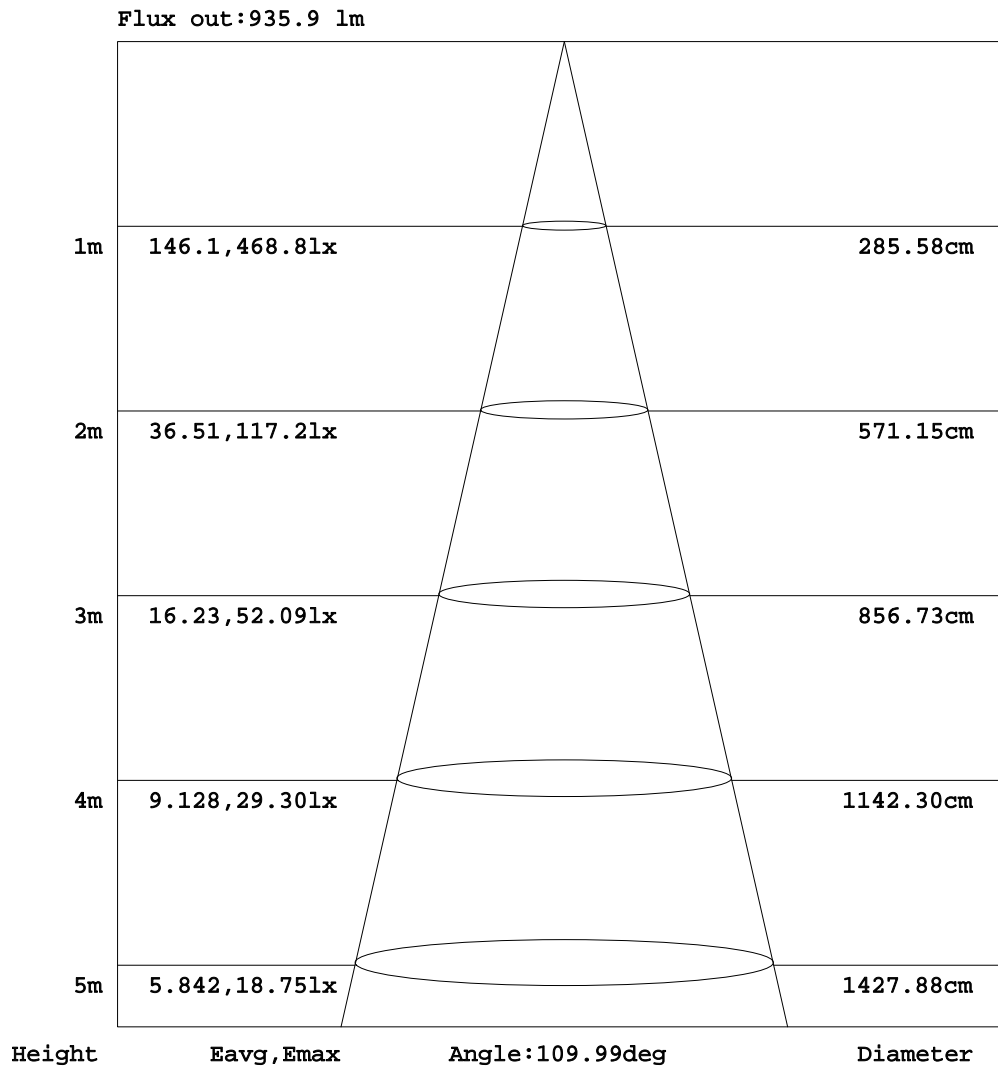


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A



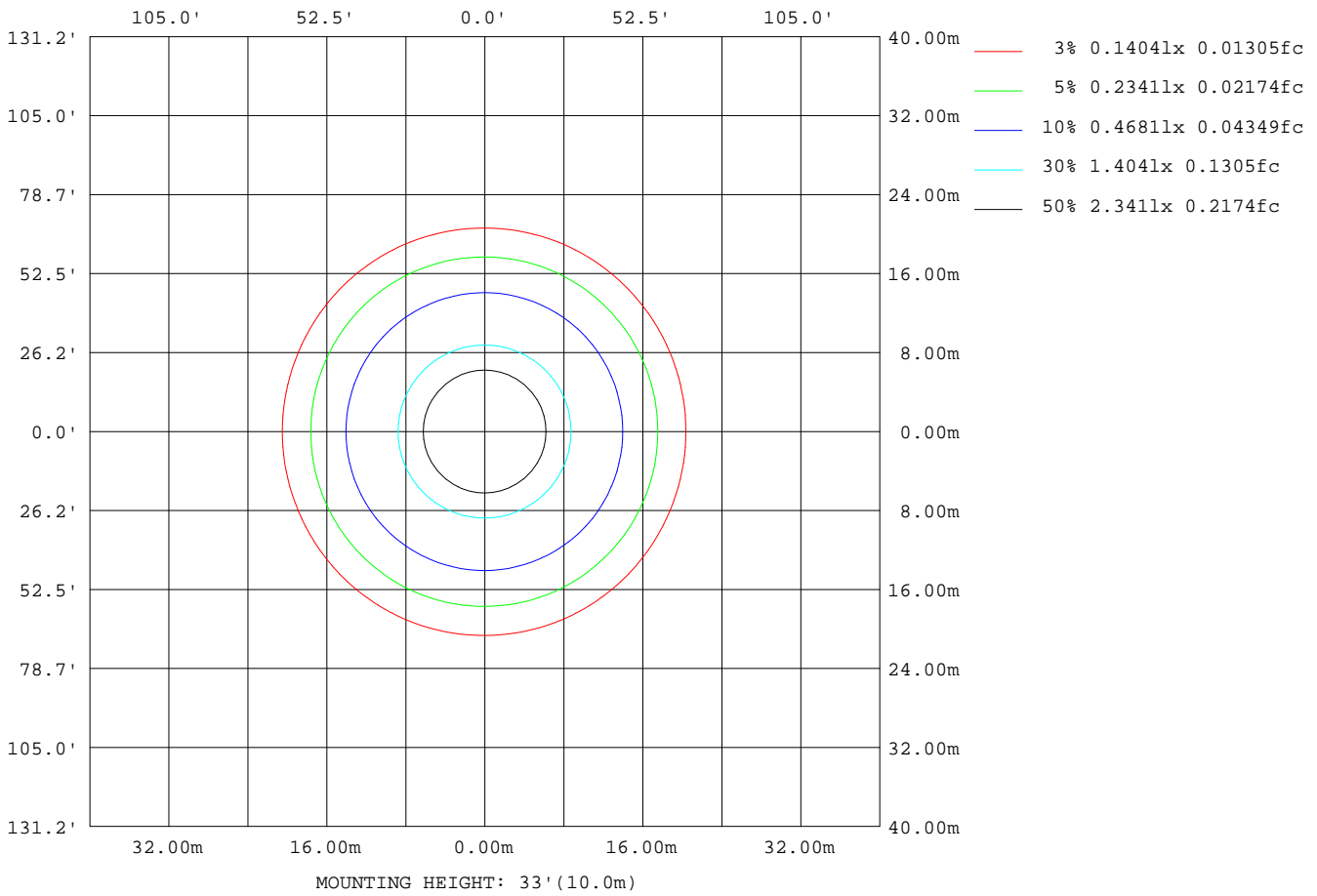
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

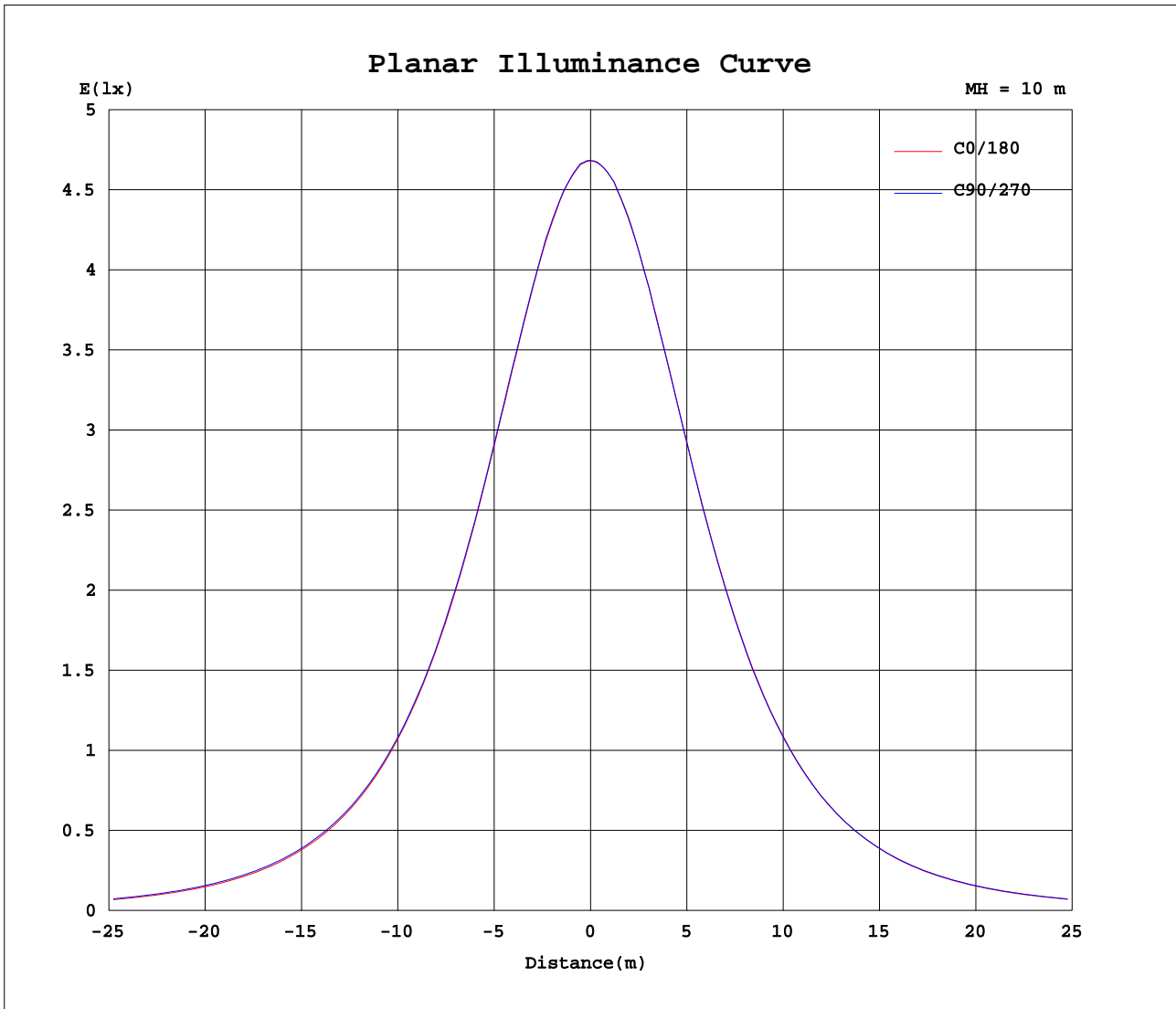
AvgL	cd/m2
L_0~180(65)av	3275
L_0~180(75)av	2665
L_0~180(85)av	1483
L_90~270(65)av	3405
L_90~270(75)av	2935
L_90~270(85)av	2069
L_45(65)av	3346
L_45(75)av	2789
L_45(85)av	1666

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.6DEG
 Operators:Evan
 Test Date:2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:51%
 Test Distance:2.532m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.6DEG
 Operators: Evan
 Test Date: 2023-02-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 51%
 Test Distance: 2.532m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.1580A P:17.74W PF:0.9350 Lamp Flux:1302.45x1 lm		
NAME: LED luminaire	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-MPS-9D18CC-BK 3000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD LIGHTING CORP	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468			
5	465	466	466	466	466	466	466	466	466	466	466	466	466	466	466	465			
10	458	458	459	459	459	460	459	459	460	460	460	460	459	459	459	458			
15	447	447	447	447	448	449	449	449	449	449	449	449	448	448	448	447			
20	432	431	432	433	433	434	433	434	434	433	434	434	433	433	432	431			
25	412	412	413	413	414	415	414	414	415	415	415	415	414	413	413	412			
30	390	389	390	390	391	392	392	392	393	393	392	392	391	391	389	389			
35	364	364	364	365	366	366	366	367	367	366	367	366	366	364	364	363			
40	335	334	335	336	337	338	338	338	338	338	338	338	336	336	335	335			
45	303	303	304	305	306	307	307	307	308	307	307	306	306	305	304	303			
50	269	269	271	272	273	274	274	274	273	273	273	273	272	271	270	269			
55	232	232	235	237	238	238	239	237	237	237	238	238	237	236	235	232			
60	193	194	197	200	201	201	201	199	198	198	201	201	200	199	197	194			
65	154	155	158	162	163	164	162	159	159	159	161	162	162	161	158	155			
70	115	116	119	124	125	125	122	119	118	118	121	123	123	122	118	115			
75	76.3	77.6	80.9	85.2	87.0	86.9	83.6	80.6	79.4	79.7	81.9	84.9	84.5	83.2	79.5	76.9			
80	41.8	43.0	45.5	49.8	52.0	51.1	48.1	45.4	44.3	44.5	46.2	48.8	49.6	47.7	44.5	42.5			
85	13.4	14.2	16.0	18.9	21.3	19.8	17.5	15.8	15.8	15.7	16.6	18.4	19.4	17.8	15.5	14.3			
90	0.08	0.08	0.08	0.10	0.10	0.09	0.10	0.12	0.08	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
95	0.09	0.09	0.09	0.10	0.10	0.09	0.09	0.09	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
100	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.12	0.04	0.05	0.06	0.06	0.05	0.06	0.07	0.05			
105	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.12	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07			
110	0.13	0.13	0.14	0.14	0.14	0.13	0.14	0.13	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08			
115	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.15	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.09			
120	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.11	0.11	0.11	0.12	0.12	0.11	0.12	0.11			
125	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.21	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14			
130	0.25	0.26	0.26	0.26	0.27	0.27	0.26	0.25	0.17	0.17	0.16	0.17	0.16	0.17	0.16	0.17			
135	0.30	0.31	0.32	0.32	0.33	0.33	0.32	0.30	0.19	0.19	0.19	0.20	0.20	0.19	0.19	0.20			
140	0.39	0.40	0.42	0.42	0.42	0.42	0.41	0.38	0.22	0.21	0.23	0.22	0.22	0.22	0.22	0.22			
145	0.48	0.50	0.52	0.54	0.54	0.53	0.51	0.48	0.24	0.23	0.25	0.26	0.26	0.25	0.25	0.25			
150	0.56	0.59	0.60	0.62	0.62	0.62	0.59	0.57	0.26	0.26	0.27	0.28	0.28	0.28	0.27	0.27			
155	0.64	0.67	0.68	0.69	0.70	0.70	0.67	0.66	0.30	0.29	0.31	0.31	0.31	0.31	0.30	0.33			
160	0.71	0.72	0.72	0.74	0.73	0.74	0.73	0.71	0.35	0.34	0.35	0.33	0.34	0.34	0.33	0.37			
165	0.72	0.71	0.72	0.72	0.74	0.73	0.72	0.70	0.38	0.37	0.36	0.37	0.37	0.37	0.37	0.40			
170	0.68	0.66	0.67	0.67	0.67	0.67	0.68	0.68	0.43	0.43	0.41	0.40	0.40	0.41	0.41	0.43			
175	0.65	0.63	0.63	0.61	0.60	0.62	0.63	0.64	0.48	0.48	0.47	0.45	0.45	0.45	0.47	0.49			
180	0.56	0.54	0.53	0.52	0.52	0.53	0.56	0.58	0.56	0.56	0.55	0.53	0.51	0.51	0.53	0.56			

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